

SUBSTITUTE SPECIFICATION

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ABSTRACT

The invention involves installation of a helical nut structure, or a helical nut and ball or roller bearing structure, between an electric machinery transmission shaft and a driven
5 transmission element. Depending on the torque between the electric machinery rotor, and on the loading or driving direction, the corresponding axial displacement of the electric machinery rotor can be controlled, and further the electric machinery characteristics relative to the electric machinery
10 rotor and the electro-magnetic field can be modulated to achieve a desired control structure or testing device.